

GRIGOR'YEV, A.T.; KUPRINA, V.V.; BERNARD, V.B.

Chromium-iron-cobalt alloy in the region of a chromium-based  
solid solution. Vest. Mosk. un. Ser. 2: Khim. 18 no.5:41-  
43 S-O '63. (MIRA 16:11)

1. Kafedra obshchey khimii Moskovskogo universiteta.

GRIGOR'YEV, A.T.; KUPRINA, V.V.; BERNARD, V.B.

Chromium alloys with iron and cobalt in the region of chromium  
based solid solution. Vest. Mosk. un. Ser. 2 Khim. 19 no.2:  
37-40 Mr-Ap'64 (MIRA 17:6)

1. Kafedra obshchey khimii Moskovskogo universiteta.

L 13205-66 EWT(m)/EFF(n)-2/T/ENP(t)/ENP(b)/ENA(c) LJP(c) JD/WW/HW/JG

ACC NR: AP5025792

SOURCE CODE: UR/0363/65/001/009/1554/1557

AUTHOR: Kuprina, V. V.; Bataleva, S. K.; Sokolova, I. G.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Study of alloys of the zirconium-cobalt system

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9, 1965, 1554-1557

TOPIC TAGS: zirconium compound, cobalt compound

ABSTRACT: The phase diagram of the zirconium-cobalt system was studied by microscopic and x ray diffraction methods from room temperature up to 950°C. The existence of the chemical compounds ZrCo, Zr<sub>2</sub>Co, and Zr<sub>3</sub>Co crystallizing from the liquid state and forming broad regions of mechanical mixtures of eutectic and peritectic types was established for the first time and the structure of the compounds was determined. The existence of the chemical compound ZrCo<sub>2</sub> was also confirmed. CoZr has a CsCl-type cubic lattice with  $a = 3.163 \pm 0.003 \text{ \AA}$ . CoZr<sub>2</sub> has a CuAl<sub>2</sub>-type tetragonal lattice with  $a = 6.425 \pm 0.003 \text{ \AA}$ ,  $c = 5.726 \pm 0.003 \text{ \AA}$

UDC: 546.831'73

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L 13105-66

ACC NR: AP5025792

and  $c/a = 0.860$ .  $\text{CoZr}_3$  has an  $\text{MgCd}_3$ -type hexagonal lattice with  $a = 5.966 \pm 0.003 \text{ \AA}$ ,  $c = 4.660 \pm 0.003 \text{ \AA}$ , and  $c/a = 0.781$ . Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 24Apr65/ ORIG REF: 001/ OTH REF: 007

Card 2/2

KUPRIS, I.

Lashas, V. and Kupris, I. "On the problem of the etiology and pathogenesis of shocks and collapses," "On the problem of the initial increase of blood pressure," Trudy med. fak. Kamnask. un-ta, Vol. I, 1949, p. 37- . In Lithuanian, Russian abstract -  
Bibliot: 21 items

SO: H-2442, Istorii Zhurnal'nykh Statey, No. 1, 1949.

KUPRIS, I.

Lushan, V. and Kupris, I. "Anaphylactic collapse at the time of experimental shock,"  
Trudy med. fak. Kaunasok. un-ta, Vol. I, 1949, p. 22-23. In Lithuanian, Russian abstract.

SO: W-2380, Lotonia Zhurnal'nykh Statey, No.1, 1949.

KUPRIS, I. A.

KUPRIS, I. A., Cand Med Sci -- (diss) "Effect of physical exercise upon the strength and duration of inhaling-exhaling in students." Kaunas, 1958. 22 pp (Kaunas State Med Inst of the Min of Health La SSR). 140 copies (KL, 20-58,101)

USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40630.

Author : Kuprite, ~~G. A.~~

Inst : Leningrad Veterinary Institute.

Title : Histomorphologic Intestinal Changes in Swine Pest  
and Paratyphoid of Piglets.

Orig Pub: Sb. rabot Leningr. vet. in-t, 1956, vyp. 18, 101-109.

**Abstract:** In swine pest, nodular lesions of the large intestines are connected with disturbances in blood circulation, and have always the characteristics of a diphteritic inflammation. In cases of paratyphoid, necrotic lesions of the mucosa are observed.

Card : 1/1

17

KUPRITE, O.A. Cand Vet Sci -- (diss) "Pathoanatomical changes of the intestine

1- APPROVED FOR RELEASE 08/23/2000 : CIA-RDP86-00513R000927610012-3

Len 1957. 17 pp 19 cm. (Min of Agr USSR, Len Vet Inst), 100 copies

(KL, 24-57, 120)



CHERNYAK, V.Z.; KUPRIT, O.A.; VLASOVA, L.P.

Infectious hepatitis in dogs. Veterinariia 32 no.4:59-62 Ap '55.  
(MIRA 8:5)

1.Leningradskiy veterinarnyy institut.  
(HEPATITIS, INFECTIOUS) (DOGS--DISEASES)

KUPRITS, G. E.: Master Med Sci (diss) -- "The state of the central nervous system in patients with prurigo when treated with sleep". Vil'nyus, 1959. 14 pp (Min Higher Educ USSR, Vil'nyus State U im V. Kapsukin), 150 copies (KL, No 15, 1959, 119)

KUPRITS, G.F., kand. med. nauk

Role of nurseries and kindergartens in the treatment of children  
with pruritic dermatoses. Vest. dermat. i ven. 37 no.6:56-60 Je '63.

(MIRA 17:6)

1. Fakul'tet yestestvennykh i geograficheskikh nauk (dekan - kand.  
sel'skokhozyaystvennykh nauk I. Chepulis), konsul'tant - zav. kafe-  
droy dermato-venereologii Kaunasskogo meditsinskogo instituta prof.  
B.Yu. Sidaravichyus [B. Sidaravicius]) Vil'nyusskogo pedagogicheskogo  
instituta.

KUMETS, N. YA.

Constitutional Law

Questions of constitutional law in the people's democracies of Europe. Uch. zap. Mosk. un., no. 153, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952. Unclassified.

KUPRITS, Yakov Nikolayevich

"Physicochemical Principles of Grain Grinding," 1946

Moscow Tech. Inst. Food Industry

KUPRITS, Ya.N., professor, doktor tekhnicheskikh nauk.

Theoretical grounds for the hydrothermal processing of grain  
before milling. Trudy MTIP 2:77-90 '52. (MIRA 9:2)  
(Grain milling)

GAVRICHENKOV, D.N., inzhener, laureat Stalinskoy premii; KUPRITSA, Ya.N.,  
doktor tekhnicheskikh nauk, professor, redaktor; GEL'MAN, D.Ya., re-  
daktor; LABUS, G.A., tekhredaktor.

[Utilization of the productive capacities of the flour and meal  
industry] Ispol'zovanie proizvodstvennykh meshchnostei mukomel'no-  
krupianoi promyshlennosti. Moskva, Gos. izd-vo tekhn. i ekon. lit-ry  
po voprosam zagotovok, 1953. 78 p. (MLRA 7:7)  
(Grain milling)

KUPRITS, YA. N.

(3)

Fuel Abstracts  
Vol. 15 No. 2  
February 1954  
Industrial Furnaces,

6131. DRYING AND CONDITIONING OF WHEAT IN VACUO. ✓ Kuprits,  
Ya. N., Shpolyanskaya, A. L. and Rubina, N. K. (Kolloid. Zh.  
(Colloid J., Voronezh), May/June 1953, vol. 15, 199-203).



**"APPROVED FOR RELEASE: 08/23/2000**

**CIA-RDP86-00513R000927610012-3**

**APPROVED FOR RELEASE: 08/23/2000**

**CIA-RDP86-00513R000927610012-3"**

KUPRITS, I.A.N.

RUBASHEVSKIY, G.

On the textbook "Technology of the flour milling industry."

Reviewed by G.Rubashevskii. Muk.-elev.prom. 20 no.2:29-30

P '54.

(MIRA 7:7)

(Grain milling) (Kuprits, I.A.N.)

KUPRITS, Ya., professor, doktor tekhnicheskikh nauk.

Problems of water and heat treatment of grain at the mill before grinding. Muk.-elev.prom. 20 no.8:12-18 Ag '54. (MLRA 7:9)

1. Moskovskiy tekhnologicheskii institut pishchevoi promyshlennosti.

(Grain milling)

KUPRITS, Ya.M.; TARUTIN, P.P.; PAL'TSEV, V.S.; KHUSID, S.D.

In memory of P.A.Koz'min. Muk.-elev.prom.22 no.3:32 Mr '56.  
(Koz'min, Petr Alekseevich, 1871-1936) (MLRA 9:7)

PR  
DZHOROBYAN, G.A., nauchnyy sotrudnik; ZIBEL', B.Ya., inzh. [translator];  
MESHCHERINA, O.Ye., bibliograf [translator]; KOZ'MINA, N.P., doktor  
biol.nauk, otvetstvennyy red.; GRIGOR'YEV, K.P., inzh., red.;  
KUPRITS, Ya..N., doktor tekhn.nauk, prof., red.; KUPRIYANOV, A.V.,  
inzh., red.; LYUBARSKIY, L.N., doktor sel'skokhozyaystvennykh nauk,  
prof.red.; LANDA-DALEV, L.M., starshiy nauchnyy sotrudnik; GERZHOY,  
A.P., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; FEDOSOVA, N.I.,  
red.; GOLUBKOVA, L.A., tekhn.red.

[Drying and heat processing of grain; translations and abstracts]  
Sushka i termicheskaya obrabotka zerna; perevody i referaty.  
Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-  
krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoz.,  
1957. 90 p. (MIRA 11:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut  
zerna i produktov ego pererabotki. 2. Vsesoyuznyy nauchno-  
issledovatel'skiy institut zerna i produktov ego pererabotki  
(for Dzhorogyan, Gerzhoy, Meshcherina). 3. Mel'kombinat imeni  
TSyurupy (for Zibel')  
(Grain--Drying)

KOZ'MINA, Natal'ya Petrovna, doktor biol.nauk, prof.; KUPRITS, Yakov  
Nikolayevich, doktor tekhn.nauk, prof.; MISHUSTIN, Yevgeniy  
Nikolayevich, doktor biol.nauk, prof.; POD'YAPOL'SKAYA, Ol'ga  
Petrovna, kand.tekhn.nauk; KHUSID, Semen Davidovich, doktor  
tekhn.nauk; GEL'MAN, D.Ya., red.; GOLUBKOVA, L.A., tekhn.red.

[Development of grain science in the U.S.S.R.; a collection of  
articles] Razvitie nauki o zerne v SSSR; sbornik statei. Pod red.  
N.P.Koz'minoi. Moskva, Izd-vo tekhn.i ekon. lit-ry po voprosam  
mukomol'no-krupianoi i kombikormovoi promyshl. i elevatorno-  
skladsnogo khoziaiatva, 1957. 129 p. (MIRA 11:7)

1. Chlen-korrespondent AN SSSR (for Mishustin)  
(Grain)

GINZBURG, M.Ye., dotsent, kand.tekhn.nauk; KUPRITS, Ya.N., prof.-doktor,  
red.; GEL'MAN, D.Ye.; KHYZER, V.A.; SAVEL'YEVA, Z.A., tekhn.red.

[Groats production technology] Tekhnologiya krupianogo proiz-  
vodstva. Izd.2., perer. i dop. Pod red. I.A.N.Kupritsa.  
Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-  
krupianoj, kombikormovoj promyshl. i elevatorno-skladskogo  
khoz., 1959. 263 p. (MIRA 12:12)  
(Grain milling)

KUPRITS, Ya.N., prof. doktor tekhn. nauk; DEMIDOV, P.G., prof.;  
DEMIDOV, A.R., prof. doktor tekhn. nauk; GINZBURG,  
M.Ye., kand. tekhn. nauk, dots.; DHO GALIN, K.V., kand.  
tekhn. nauk; NAUMOV, I.A., kand. tekhn. nauk;  
TSET SINOVSKIY, V.M., kand. tekhn. nauk; TRUNOV, A.F.,  
inzh., retsenzent; KLEYMAN, L.M., red.

[Technology of grain processing; flour, groats and mixed  
feed industries] Tekhnologiya pererabotki zerna; muko-  
mol'noe, krupianoe i kombikormovoe proizvodstvo. Moskva,  
Kolos, 1965. 504 p. (MIRA 18:12)



KUPRITS, Yu.A.; KHRUMOV, A.M.

Automation of electric drives with synchronous motor. Prop.  
energ. 19 no. 6 1980-11 1980 (MIRA 1980)

KUPRIY, A.; <sup>M</sup>PODOL'SKIY, S.

Competition among the brigades of communist labor at the  
Kiev Shoe Factory No.4. Kosh.-obuv. prc. 2 no. 11:32-34  
N '60. (MIRA 13:12)  
(Kiev--Shoe industry--Labor productivity)

KUPRIY, <sup>A</sup>D.M.; SLOBODYAN, D.I.; VAYNTRUB, V.K.

New equipment for manufacturing welt insoles with synthetic  
lip and binding. Leh.prom. no.1:16-19 Ja-Mr '62. (MIRA 15:9)

1. Kiyevskaya obuvnaya fabrika No.4.  
(Kiev--Shoe industry--Equipment and supplies)

VAYNTRUB, V.K.; BORODAY, I.K.; GAL'PERIN, F.I. [deceased]; GRID, A.I.;  
KALIKA, S.B.; KOLESNIK, I.V.; KRITSBERG, E.L.; KUPRIY, A.M.

Press molds for the hot vulcanization of rubber soles; Soviet  
Certificate of Inventions No.141077. Kozh.-obuv.prom. 4  
no.8:42 Ag '62. (MIRA 15:8)  
(Vulcanization—Technological innovations)

BASKO, P.T., kand.tekhn.nauk; BULANZHE, I.O., kand.khim.nauk; KUPRIY, O.M.;  
ROZENSHTeyN, A.G., [Rozenshteyn, A.H.]

Using the chemical method of coating with nickel for the reconditioning  
and strengthening of the machine parts in light industry enterprises.  
Leh.prom. no.3:61-63 Je - Ag '62. (MIRA 16:2)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti (for  
Basko, Bulanzhe). 2. Kiyevskaya obuvnaya fabrika No.4 (for Kupriy,  
Rozenshteyn).

(Industrial equipment--Maintenance and repair) (Nickel)

SKVARIK, V.P.; KUPRIY, O.M.; SHTRAMBRAND, V.D.; ROZENSHTEYN, A.G.  
[Rozenshtein, A H.]

Molding of heels on the footwear. Leh.prom. no.1:55-57  
Ja-Mr '64. (MIRA 19:1)

PROSKURYAKOV, V.A.; SOLOVEYCHIK, Z.V.; Prinsipali uchastiye: TROSTYANSKAYA,  
A.G.; KUPRIYANCHIK, A.D.

Oxidation of oil shales by atmospheric oxygen. Report No.2:  
Oxidation of Gdov shales in continuous air feed. Trudy VNIIT  
no.10:81-90 '61. (MIRA 15:3)  
(Gdov—Oil shales)(Oxidation)

KUPRIYANCHIK, N.N.

AUTHOR MIKHAYLOV, G.P., SAZHIN, B.I., KUPRIYANCHIK, N.N. PA 3546  
 TITLE: Some Peculiarities of Dielectric Losses in Polycaprolactom.  
 (O nekotorykh osobennostyakh dielektricheskikh poter' poli-  
 kaprolaktoma, Russian)  
 PERIODICAL: Zhurnal Tekhn. Fiz., 1957, Vol 27, Nr 5, pp 948 - 952 (U.S.S.R.)  
 ABSTRACT: The present work is a continuation of the two previous ones  
 (Zhurnal Tekhn. Fiz., 1955, Vol 25, Nr 4, p 590 and Zhurnal Tekhn.  
 Fiz., 1956, Vol 26, Nr 8, p 1723). The initial material was  
 supplied in form of little plates by the All-Union Scientific  
 Research Institute for Artificial Fibres. The temperature depend-  
 ences of the dielectric losses of hardened and tempered samples  
 of polycaprolactome were investigated in intervals of from 20 -  
 150° at frequencies of  $10^3$  -  $5 \cdot 10^6$  Hz. In the tempered polycarpo-  
 lactome the maximum dielectric relaxation losses were found to  
 exist. In the case of hardened polycaprolactome a second maximum  
 was, in addition, noticed on the temperature curves  $\text{tg } \delta$  (angle of  
 dielectric losses), the position of which remains the same at all  
 frequencies. It was possible, by means of infrared spectroscopy,  
 to confirm the supposition that this maximum of  $\text{tg } \delta$  is connected  
 with an additional formation of the hydrogen compounds in the  
 hardened polycaprolactome within the ranger 30 - 40°

Card 1/2



PA - 3546  
Some Peculiarities of Dielectric Losses in Polycaprolactom.

(1 illustration and 5 Slavic references)

ASSOCIATION: LPI  
PRESENTED BY:  
SUBMITTED: 12.11.1956  
AVAILABLE: Library of Congress

Card 2/2

14(8)

SOV/132-59-2-12/16

AUTHOR: Kupriyanenko, N.F., and Adamov, V.N.

TITLE: The Work of the Labor Protection Commission in the Trud Geological Prospecting Group (O rabote komissii po okhrane truda v Trudovskoy geologorazvedochnoy partii)

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 2, pp 52-53 (USSR)

ABSTRACT: The article describes the everyday work of a labor protection commission in the Trud geological prospecting group. This commission was created to cut down the number of accidents and illnesses among the workers. Different measures are described. Special inspectors regularly check the conditions under which the members of the group are working. Special courses are organized for workers to teach them how to use new drilling machines, many accidents being the

Card 1/2

SOV/132-59-2-12/16

The Work of the Labor Protection Commission in the Trudy Geological Prospecting Group

result of insufficient training.

ASSOCIATION: TsK profsoyuza geologorazvedochnykh rabot (Central Committee of the Trade Union of Geological Prospecting Workers). Trudovskaya geologorazvedochnaya partiya (The Trud Geological Prospecting Group)

Card 2/2

KUPRIYANENKO, N.F.

Improve the administration of local organizations of the Scientific Technological Society of Mining Engineering. Razved. i okh. nadr 26 no.12:50-52 D '60. (MIRA 13:12)

1. Tsentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh rabot.

(Geology, Economic)

KUPRIYANENKO, N.F.

Meeting of Soviet geologists with leaders of foreign mining trade unions participating in the 5th World Congress of Trade Unions.  
Razved. i okh. nedr 28 no.2:61-62 F '62. (MIRA 15:3)

1. Tsentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh rabot.

(Trade unions--Congresses) (Mines and mineral resources)

ZLOTNIK, E.I.; SKLYUT, I.A.; KUPRIYANENKO, R.A. (Minsk)

Total excision of neurinoma of the auditory nerve. Vop.neirokhir.  
25 no.1:41-44 Ja '61. (MIRA 14:2)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo nauchno-issledova-  
tel'skogo instituta nevrologii, neyrokhirurgii i fizioterapii.  
(ACOUSTIC NERVE—TUMORS)

KENTS, V.V.; PROTAS, I.I.; KUPRIYANENKO, R.A. (Minsk)

Differential diagnosis of pathological processes in the area  
of the cauda equina. Vop.neirokhir. 25 no.3:15-20 My-Je '61.

(MIRA 14:5)

1. Belorusskiy nauchno-issledovatel'skiy institut nevrologii,  
neyrokhirurgii i fizioterapii i Minskaya oblastnaya klinicheskaya  
bol'nitsa.

(SPINAL CORD—DISEASES)

KUPRIYANOV, A., inzhener; BAUM, A., kandidat tekhnicheskikh nauk.

Receiving and final drying of grain at storage points in Krasnoyarsk Territory. Muk.-elev.prom. 21 no.1:4-6 Ja '55.

1. Ministerstvo zagotovok SSSR (for Kupriyanov). 2. Vysshya zagotovitel'naya shkola (for Baum).

(Krasnoyarsk Territory--Grain--Drying)



KUPRIYANOV, A.

For further technical progress in grain storage and in the grain  
milling and mixed feed industry. Muk.-elev.prom. 22 no.4:2-5  
Ap '56. (MLRA 9:8)

1. Nachal'nik tekhnicheskogo otdela Ministerstva zagotovok.  
(Grain-handling machinery) (Grain-milling machinery)

KUPRIYANOV, A., inzhener.

Exhibit of machinery and mechanisms for grain procurement stations.  
Muk.-elev. prom. 23 no.6:6-9 Je '57. (MIRA 10:9)

1. Tekhnicheskij otdel Ministerstva khleboproduktov SSSR.  
(Grain handling machinery)

*Назначение, т.*  
KUPRIYANOV, A., inzhener.

Movable pneumatic grain loader. Muk.-elev.prom.23 no.8:31-32 Ag '57.  
(MIRA 10:11)  
(Grain handling machinery) (Pneumatic-tube transportation)

KUPRIYANOV, A., inzh.

Wear resistant roller mill rolls. Muk.-elev. prom. 23 no.10:31  
0 '57. (MIRA 11:1)

(Flour mills--Equipment and supplies)

SAZHINOV, Viktor; KUPRIYANOV, Aleksey; MAKARTSEV, Ivan; VOROBAY, Aleksandr;  
DEMENKOVETS, Nikolay; MURASHKO, Petr; KULINKOVICH, Aleksandr;  
TULUYEVSKIY, Ivan; RADKOVSKIY, Leonid

Our experience in the operation of the BPF-2 pneumatic combine.  
Torf. prom. 40 no.4:5-12 '63. (MIRA 16:10)

1. Mokeikha-Zybinskoye torfopredpriyatiye Yaroslavskoy obl.  
(for Sazhinov, Kupriyanov). 2. Torfopredpriyatiye "Bol'shevik"  
Soveta narodnogo khozyaystva BSSR (for Makartsev).
3. Torfopredpriyatiye Vasilevichi II Soveta narodnogo khozyaystva  
BSSR (for Vorobey, Demenkovets). 4. Torfobriketnyy zavod "Ulyazh"  
(for Murashko, Kulinkovich, Tuluyevskiy). 5. Torfobriketnyy zavod  
"Berezinskoye" (for Radkovskiy).  
(Peat machinery)

W. H. CANBY, A.A., *Director of Operations*

"There are now a total of 100,000. More than 43,000:51-56 2 '65.  
(MIRA 18:e)

SLAVIN, S.V., doktor ekon. nauk; GRANIK, G.I., kand. ekon. nauk; LOGINOV, V.P.; MIKHAYLOV, S.V.; SHAPALIN, B.F., kand. geogr. nauk; AVAKYAN, M.I., nauchnyy sotr.; ZAKHAROV, G.A., nauchnyy sotr.; KAMENITSER, L.S., nauchnyy sotr.; TITOVA, N.I., nauchnyy sotr.; TYURDENEV, A.P., nauchnyy sotr.; CHUGUNOV, B.I., starshiy nauchnyy sotr.; KOGAN, I.L.; MESHKOVSKAYA, L.V., starshiy inzh.; LUKIN, I.I.; FAYERSHTEYN, R.I.; Prinimali uchastiye: Agranat, G.A., kand. geogr. nauk, red.; PUZANOVA, V.F., kand. geogr. nauk, red.; ~~KUPRIYANOV, A.B.~~, nauchnyy sotr., red.; SOBOLEV, Yu.A., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Problems in developing the productive forces of Magadan Province]  
Problemy razvitiia proizvoditel'nykh sil Magadanskoi oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1961. 301 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil.
  2. Glavnyye inzhenera proyekta "Dal'stroyproyekt" (for Kogan, Fayershteyn).
  3. Institut ekonomiki Akademii nauk SSSR (for Chugunov).
  4. Energoupravleniye Magadanskogo Soveta narodnogo khozyaystva (for Meshkovskaya).
  5. Nachal'nik Oblastnogo otdela po delam stroitel'stva i arkhitektury Magadanskoy oblasti (for Lukin).
- (Magadan Province—Industries) (Magadan Province—Economic policy)

AGRANAT, G.A., kand. geogr. nauk, nauchnyy sotr.; KUPRIYANOV, A.B.,  
kand. geogr. nauk, nauchnyy sotr.; PUZANOVA, V.F., kand.  
geogr. nauk, nauchnyy sotr.; SLAVIN, S.V., doktor ekonom.  
nauk, otv. red.; BYKOV, I.K., red. izd-va; MAKOGONOVA, I.A.,  
tekhn. red.; GUSEVA, A.P., tekhn. red.

[Industry and transportation in the American North] Pro-  
myshlennost' i transport Amerikanskogo Severa. Moskva, Izd-  
vo Akad. nauk SSSR, 1962. 270 p. (MIRA 15:2)

1. Komissiya po problemam Severa Soveta po izucheniyu proiz-  
voditel'nykh sil (for Agranat, Kupriyanov, Puzanova)  
(Alaska--Industry) (Alaska--Transportation)  
(Canada--Industry) (Canada--Transportation)



KUPRIYANOV, A.B.

Investigation and development of the Canadian Arctic Archipelago during the past 20 years. Let. Sev. 3:239-256 '62. (MIRA 15:8)

1. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume AN SSSR.

(Arctic Archipelago—Discovery and exploration)

AGRANAT, G.A., nauchnyy sotrudnik; KUPRIYANOV, A.B., nauchnyy sotrudnik;  
PUZANOVA, V.F., nauchnyy sotrudnik

Alaska, the 49th state of the U.S. (from foreign sources). Let.  
Sev. 3:257-258 '62. (MIRA 15:8)

1. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume  
AN SSSR.

(Alaska--History)

KUPRIYANOV, A.B.

British and United States journals on the polar regions. Let.  
Sov. 3:265-270 '62. (MIRA 15:8)  
(Polar regions--Periodicals) (English periodicals)

KUPRIYANOV, A.B.

Scientific conference on problems in the acclimatization and  
nutrition of the population at the Far North. Izv. AN SSSR.  
Ser. geog. no. 2:128-130 Mr - Ap '61. (MIRA 14:4)  
(Russia, Northern—Acclimatization)  
(Russia, Northern—Food)

AGRANAT, G.A., nauchn. sotr.; KUPRIYANOV, A.B., nauchn. sotr.;  
PUZANOVA, V.F., nauchn. sotr.; SLAVIN, S.V., doktor  
ekon. nauk, otv. red.; KORMIL'TSOVA, A.A., red.izd-va;  
MAKUNI, Ye.V., tekhn. red.

[Population and resources of the American North] Nasele-  
nie i resursy Amerikanskogo Severa. Moskva, Izd-vo AN  
SSSR, 1963. 229 p. (MIRA 16:10)

(Canada--Economic geography)

(Alaska--Economic geography)

ИЗВЕЩАНИЕ, А. И.

Fish Culture

Methods for obtaining high productivity from ponds of the "Ishchik" P. S. P. S., 1955.  
Zh. 2, No. 2, 1955.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

SERENKO, I. A.; /UPRIYANOV, A. M.

Potentials for increasing the indices of oil and gas well drilling.  
bureau no. 1:31-33 '65. (MIRA 18:5)

1. Tsentral'noye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR.

KUPRIYANOV, A.M.; MUKZAKOV, B.V., SERENKO, I.A.

Improving the quality and increasing the variety of fishing tools.  
Mash. 1 neft. obor. no.4:5-8 '55. (MIRA 18:5)

1. Tsentral'noye konstruktorskoye byuro Gosudarstvennogo  
geologicheskogo komiteta SSSR.



SEMENKO, I.A.; RYLIN, V.A.; KUPRIYANOV, A.M.

Lowering casing strings to a predetermined depth under complex geological conditions. Burenie no.4:13-15 '65. (MIRA 18:5)

1. Tsentral'noye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR i kantora razvedochnogo bureniya No.1 tresta "Krasnodarnefterazvedka".

SERENKO, I.A.; KUPRIYANOV, A.M.

Economic way of carrying out fishing operations. Bulletin no.7:  
33-35 '65. (MIRA 18:12)

1. Tsentral'noye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR.

KUPRIYANOV, A.P., inzh.

Improving planning in railroad transportation. Trudy NIIZHT  
no.33:138-147 '63. (MIRA 17:3)

KUPRIYANOV, A.P., inzh.; SIDOROVICH, Ye.A., inzh.

Economic characteristics of the region adjacent to the Western  
Siberian Railroad Line. Trudy NIIZHT no.33:123-137 '63.  
(MIRA 17:3)

KUPRIYANOV, A.P., inzh., ZHURAVEL', Sh.I., kand.ekon.nauk

Economic results of the adoption of new traction types; from  
practices of the Tomsk Railroad. Zhel.dor.transp. 42 no.12:21-26  
D '60. (MIRA 13:12)

1. Nachal'nik planovo-ekonomicheskogo otdela Tomskoy dorogi (for  
Kupriyanov).  
(Locomotives) (Railroads--Cost of operation)

KUPRIYANOV, A.P. (Novosibirsk); KONNOV, P.A. (Kuybyshev)

The way to improve planning on railroads. Zhel. dor. transp.  
45 no.3:59-64 Mr '63. (MIRA 16:6)

1. Nachal'nik planovo-ekonomicheskogo otdela Zapadno-Sibirskoy dorogi (for Kupriyanov). 2. Nachal'nik planovo-ekonomicheskogo otdela Kuybyshevskoy dorogi (for Konnov).  
(Railroads--Management)

KUPRIYANOV, A.P., inzh. (Novosibirsk); FLEYSHMAN, B.A., dokt. (Novosibirsk)

What delays the turnover of the approach tracks to the railroad administration? Zhel. dor. transp. 46 no.10:40-44 O 1964. (MIRA 17:11)

1. Nachal'nik planovo-ekonomicheskogo otdela Zapadno-Sibirskoy dorogi (for Kupriyanov). 2. Novosibirskiy Institut inzhenerov zheleznodorozhnogo transporta (for Fleyshman).

KET-LIYANOV, A. S.

Fodokhodnyi nalog s promyslovoi kooperatsii: [Income taxes from a producer's cooperative]. Moskva, Gosfinizdat, 1953. 112 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 1 April 1954.



-KUPRIYANOV, A.S., inzh.; BOLDYREV, M.V., inzh.; ABRAMOV, L.Kh., inzh.

Patents. Khim.mash. no.2:44-46 Mr '62.

(MIRA 15:3)

(Chemical apparatus--Patents)

ABRAMOV, L.Kh., inzh.; KUPRIYANOV, A.S., inzh.; BOLDYKHEV, M.V., inzh.

Patents. Khim.mash. no.4:45-46 J1-Ag '62. (MIRA 15:7)  
(Chemical engineering—Equipment and supplies) (Patents)

KUPRIYANOV, A.S., inzh.; ABRAMOV, L.Kh., inzh.; BOLDYREV, M.V., inzh.

Patents. Khim. mashinostr. no. 6:43-44 N-D '62. (MIRA 17:9)

KUPRIYANOV, A.T.

Machine builders in Toretskii produce equipment for coal miners.  
Ugol' Ukr. 4 no.10:4-5 O '60. (MIRA 13:10)

1. Direktor Toretskogo mashinostroitel'nogo zavoda.  
(Ukraine--Coal mining machinery)

DZHOROQYAN, G.A., nauchnyy sotrudnik; ZIBEL', B.Ya., inzh. [translator];  
 MESHCHERINA, O.Ye., bibliograf [translator]; KOZ'MINA, N.P., doktor  
 biol.nauk, otvetstvennyy red.; GRIGOR'YEV, K.P., inzh., red.;  
 KUPRITS, Ya.N., doktor tekhn.nauk, prof., red.; KUPRIYANOV, A.V.,  
 inzh., red.; LYUBARSKIY, L.N., doktor sel'skokhozyaystvennykh nauk,  
 prof.red.; LANDA-DALEV, L.M., starshiy nauchnyy sotrudnik; GERZHOY,  
 A.P., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; FEDOSOVA, N.I.,  
 red.; GOLUBKOVA, L.A., tekhn.red.

[Drying and heat processing of grain; translations and abstracts]  
 Sushka i termicheskaya obrabotka zerna; perevody i referaty.  
 Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-  
 krupianoj, kombikormovoi promyshl. i elevatorno-skladskogo khoz.,  
 1957. 90 p. (MIRA 11:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut  
 zerna i produktov ego pererabotki. 2. Vsesoyuznyy nauchno-  
 issledovatel'skiy institut zerna i produktov ego pererabotki  
 (for Dzhorogyan, Gerzhoy, Meshcherina). 3. Mel'kombinat imeni  
 TSyurupy (for Zibel')  
 (Grain--Drying)

KUPRIYANOV, B., elektrik.

Youth in machine shops and laboratories. Tekh.mol. 24 no.11:15 M  
'56. (MLRA 9:12)

1. Avtobaza "Molodaya Gvardiya" Tsentral'nogo komiteta Vsesoyuz-  
nogo Leninskogo kommunisticheskogo soyuza molodezhi.  
(Service stations) (Automobiles--Repairing)

VYSOTA, Ivan Iosifovich; PLAKHOV, Veniamin Semenovich; KUPRIYANOV, D.F.,  
retsensent; POTAPOV, M.S., retsensent; PETROV, M.D., redaktor;  
SHLENNIKOVA, Z.V., redaktor izdatel'stva; KRASHAYA, A.K.,  
tekhnicheskii redaktor

[Ships' power plants] Sudovye silovye ustanovki. Moskva, Izd-vo  
"Rechnoi transport," 1957. 359 p. (MIRA 10:7)  
(Marine engines)

KUPRIYANOV, Dmitriy Fedorovich; LOBACH-ZHUCHENKO, M.B., red.; VOLCHOK,  
K.M., tekhn.red.

[Theory of internal combustion marine engines] Teoriia sudovykh  
dvigatelei vnutrennego sgoraniia. Leningrad, Izd-vo "Rechnoi  
transport," Leningr.otd-nie, 1959. 328 p. (MIRA 13:2)  
(Marine diesel engines)



KUPRIYANOV, Dmitriy Fedorovich; TAREYEV, V.M., prof., retsenzent;  
GOGIN, A.F., retsenzent; FEDORKO, P.P., red.; VOLCHOK, K.M.,  
tekhn. red.

[Theory of internal combustion marine engines] Teoriia sudovykh  
dvigatelei vnutrennego sgoraniia. Izd.2. Leningrad, Izd-vo  
"Rechnoi transport," 1962. 288 p. (MIRA 16:1)  
(Marine engines)

KUPRIYANOV, Dmitriy Fedorovich; METAL'NIKOV, Georgiy Fedorovich;  
SOKOLOV, Yu.P., inzh., retsenzent; KHOKHRYAKOV, G.B.,  
retsenzent; SMIRNOV, S.A., kand. tekhn. nauk, dots., nauchn.  
red.; ALEKSANDROVA, N.B., red. izd-va; VOLCHOK, K.M., tekhn.  
red.

[Fundamentals of technical mechanics] Osnovy tekhnicheskoi me-  
khaniki. Leningrad, Izd-vo "Rechnoi transport," 1962. 387 p.  
(MIRA 15:9)

(Mechanics, Analytic) (Mechanical engineering)  
(Strength of materials)

KUPRIYANOV, F. A.;

USSR/Metals - Steel, Casting, Methods

Jul 51

"Risers With Air Pressure in Technology of Steel Casting," P. I. Gorkusha,  
D. R. Kononov, F. A. Kupriyanov, Engineers, "Bolshevik" Plant, Leningrad

"Litey Proizvod" No 7, pp 10-12

Discusses various types of castings which may be fabricated with application of compressed air in blind risers, prepn of molds and pouring procedure. Yield of sound castings increases 70-80% sometime 90% compared with 50-55% obtainable with ordinary risers. Conservation of liquid metal amounts to 24%. Method is effective also for cast iron and for copper- and aluminum-base alloys.

PA 196T98

KUPRIYANOV F.S.

KAZMIN, N.T.; ZHIVOV, K.I.; MAKAROV, A.V., retsenzent; KUPRIYANOV, F.S.,  
retsenzent.

[Knotting machines in the weaving industry] Usloviyal'nye ma-  
shiny tkatskogo proizvodstva. Moskva, Gos. nauchno-tekhn. izd-  
vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia.  
SSSR, 1953. 76 p. (MLRA 7:8)  
(Textile machinery)

MARKOV, Nikolay Fedorovich; LUZHETSKIY, Dmitriy Georgiyevich; ISURIN,  
Boris Iosifovich; KUPRIYANOV, P.S., retsenzent; SOKOLOVA, V.Ye.,  
redaktor; MEDVEDEV, L.Ya., tekhnicheskiiy redaktor

[Design, assembly and adjustment of multiple shuttle turret looms in  
the cotton weaving industry] Ustroistvo, montazh i naladka mnogo -  
chelnochnykh revol'vernkh tkatskikh stankov khlopchatobumazhnoi  
promyshlennosti, Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva  
legkoi promyshl. SSSR, 1956. 218 p. (MLRA 3:10)  
(Looms) (Cotton weaving)

АВТОРИТЕТНОЕ ИЗДАНИЕ  
KAZMIN, Nikolay Tikhonovich; ZHIVOV, Kirill Ivanovich; KUPRIYANOV, Fedor  
Sergeyevich; SIDAKIN, V.V., redsentsent; SEBEL', N.M., redaktor;  
DMITHIYEV, M.I., tekhnicheskij redaktor

[Reeding section and knotting machines of the weaving industry]  
Probornyi otdel i usloviyazal'nye mashiny tkatskogo proizvodstva.  
Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl.SSSR,  
1957. 182 p. (MIRA 10:6)  
(Weaving)

KURPIYANOV, F.S.

-KURPIYANOV, F.S., inzh.; MARTYMKIN, F.F., inzh.

Mechanization of conveying in enterprises of the textile industry.  
Mekh.1 avtom.proizv. 14 no.3:39-44 Mr '60. (MIRA 13:6)  
(Textile industry)  
(Conveying machinery--Technological innovations)

Andriyenko, A. of Moscow.

More metal; our experience in organization of socialist competition Moskva Profizdat,  
1952. 65 p. (54-13060)

TE642.R9K8



S/107/60/000/011/002/010<sup>88098</sup>  
E073/E335

9.7000

AUTHORS: Kunriyanov, G. and Fomichev, A.

TITLE: Machines Which Control and Read

PERIODICAL: Radio, 1960, No. 11, pp. 6 - 8

TEXT: Series manufacture of universal digital computers type "Урал-2" (Ural-2) has begun. This machine is capable of carrying out 5 000 to 6 000 operations per sec. It can be used for solving the various engineering and scientific problems, e.g. for calculating the flight trajectory of a rocket to the Moon, the strength of components of complicated shape, etc. Recently, such a computer was used for planning the organisation of the transportation of sand from 8 piers to Moscow construction sites. The task of the machine was to select the shortest routes. Very considerable savings were obtained. The use of a computer for automatically controlling the movement of electric and diesel trains is mentioned, stating that design work has been started on such automatic-control systems. Mathematical analogues are used for simulating natural

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E073/E335

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#### Machines Which Control and Read

test conditions. Thus, for instance, autopilots can be tested by means of stationary analogue equipment which simulates the movements of the aircraft and takes into consideration external influences. The disturbing effects which bring about a deviation in the course of the aircraft from the predetermined course are fed into the computer as a voltage. As a result of this disturbance, the computer output will supply a signal, a voltage  $\varphi$  which corresponds to the deviation of the aircraft from the predetermined course. This voltage acts on a dynamic platform onto which the autopilot is mounted. The inclination angle of the platform determines the magnitude of the signal  $\delta$  of the autopilot which acts on the rudder of the aircraft. An electric signal that is proportional to the deflection angle of the ailerons is fed to a second input of the computer. As soon as the "aircraft" is on course again the deviation from the predetermined direction decreases, reducing also the angle of inclination of the test platform and consequently

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Machines Which Control and Read

the magnitude of the signal of the autopilot is also reduced. This process is continued until the control action of the autopilot has fully compensated the deviation caused by the disturbing effects. Various small computers are being manufactured in the Soviet Union from equipment for solving differential equations up to the sixth order to large models capable of solving equations up to an order of 32. Computers are extensively used for research purposes, for instance, analogue equipment MH-7 (MN-7) and MH-8 (MN-8) is series-manufactured and extensively used for investigating automatic-control systems, the dynamics of which can be described by ordinary differential equations of up to the sixth order. Recently, analogue computers built with semiconductors have appeared on the market; for instance, the computer MH-10 (MN-10) is suitable for solving equations up to the sixth order. They are built up of germanium junction triodes and diodes and have a power

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Machines Which Control and Read

consumption of only 130 W. An example of larger analogue equipment is type МПТ-9 (MPT-9) for solving linear differential equations up to the sixteenth order and МНБ-1 (MNB-1) equipment for solving nonlinear equations up to the twelfth order. An interesting machine is the ВПРР-2 (VPRR-2) for choosing optimum machining conditions on machine tools. Data are fed in on the power of the machine tool, depth of cut, material of the blank, tool geometry, etc. The entire calculation takes 2-3 minutes. The machine solves equations which interrelate the parameters of the basic types of machining (milling, turning, drilling) and determines the speed of machining, the feed, the machining time, the power of the spindle and other factors. This problem is solved by means of a simple compensation circuit made up of individual resistors. Data are introduced by means of turning handles of potentiometers. One of the Soviet electronic plants is

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# Machines Which Control and Read

mass-producing such equipment. Another computer, the network electronic integrator, ЭИ-С (EIS), is intended for selecting the optimum distribution of oilwells and for selecting the best spot for driving in water under pressure. This machine contains 20 000 components. The Tbilisskiy nauchno-issledovatel'skiy institut sredstv avtomatizatsii (Tbilisi Scientific Research Institute of Means of Automation) has developed a number of special-purpose computers, for instance, one is intended for controlling the feeding of hot air into tea-drying equipment. Information on the humidity of the tea leaf, the temperature of the heated and of the exhaust air, are fed into the computer. Application such a computer has increased the productivity of the tea-processing plant by 20% and has completely eliminated the necessity for scrapping any tea. Very much simplified sketches are included, showing: the analogue for testing an automatic pilot; the machine EI-S

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E073/E335

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Machines Which Control and Read

for selecting the optimum distribution of oilwells and  
the machine for controlling operating conditions in a  
tea-drying plant. There are 3 figures.

Card 6/6

62  
 62  
 The  $g$ -factor of some ferromagnetics. P. M. Gal'perin, I. Kupriyukov, and B. Panfilov. *Doklady Akad. Nauk S.S.S.R.* 99:749-51 (1954).—The ferromagnetic materials,  $MnO \cdot (Fe_2O_3)_x$  and  $(Mn, Zn)O \cdot Fe_2O_3$ , were studied. They were obtained by the method of reaction in the solid phase providing practically pure substances. The  $g$ -factor was measured by spectroscopic spin in a 3-cm wave-length range. The error involved in calcn. of the  $g$ -factor rests on the inaccuracies in measuring the field and the wave length. The latter was detd. with an accuracy up to 0.1%. The error in detg. the field amounted to little more than 1%. The max. error was equal to 1%, which for  $g = 2$  amounts to approx. 0.02. Gladys S. Mason—

KUPRIYANOV, I., [Kuprianoff, J.], prof., doktor

Activities of Commission 4 of the International Institute of  
Refrigeration [in English with parallel text in Russian]. Khol.  
tekh. 35 no.4:11-13 JI-Ag '58. (MIRA 11:10)

1. Prezident komissii 4 Mezhdunarodnogo instituta kholoda.  
(Refrigeration and refrigerating machinery)



KUPRIYANOV, I. D. and MATYUSHIN, R. N.

"Our Fast Drilling Experiment," Moscow-Leningrad, 1952

XXX

Ku PRIYANOV, I. D.

AID P - 3958

Subject : USSR/Mining

Card 1/1 Pub. 78 - 3/27

Authors : Kupriyanov, I. D. and Yu. M. Tulupov

Title : Experience in the work of the TS3R-10" turbo-drills in Tuymazy oil drillings.

Periodical : Neft. khoz., v. 33, #12, 8-9, D 1955

Abstract : A new sectional TS3R-10" turbo-drill is described and its performance data are given. The hydroturbine consists of two stages placed one on top of the other. This turbo-drill has been proved to require less fluid for operation and can be used more efficiently in greater depths.

Institution : All-Union Scientific Research Institute for Oil Drillings (VNIIburneft')

Submitted : No date

KUPRIYANOV, I.D., Geroy Sotsialisticheskogo Truda; TULUPOV, Yu.M.

Potentialities of turbodrilling. Neftianik 1 no.4:6-8 Ap '56.

1. Burovoy master kontory bureniya No. 1 tresta Taymazaburneft'  
(for Kupriyanov). 2. Nachal'nik turbinного tsakha kontory bureniya  
No. 1 tresta Taymazaburneft' (for Tulupov).  
(Turbodrills)

USTINOVICH, B.P.; KUPRIYANOV, I.G.

Turpentine in pine plantations in Poland. Gidrelis. 1 lesokhim.prom.  
9 no.2:29-32 '56. (MIRA 9:7)

1.Glavkhimlessag (for Ustinovich).2.TSentrekhimles (for Kupriyanov).  
(Poland--Tree tapping)

L 36114-66 EWP(j)/EWT(m) RM/JW  
ACC NR: AP6018073 (A)

SOURCE CODE: UR/0076/66/040/005/1121/1125

AUTHOR: Zetkin, V. I.; Panchenkov, G. M.; Kolesnikov, I. M.; Zakharov, Ye. V.; 27  
Kupriyanov, I. I. B

ORG: Moscow Institute of the Petrochemical and Gas Industry im. I. M. Gubkin  
(Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti)

TITLE: Reactivity of nitrobenzene and its chlorine derivatives. 1. Investigation  
of high temperature destructive chlorination

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 5, 1966, 1121-1125

TOPIC TAGS: nitrobenzene, nitrogen compound, chlorinated aromatic compound, chlorin-  
ated organic compound

ABSTRACT: Destructive chlorination of nitrobenzene, and ortho-, para-, and metha-  
chloronitrobenzenes was studied in the 403°-673°K range in the presence and absence  
of activated carbon. Glass ampoules containing nitrocompounds with chlorine and  
carbon were charged at liquid nitrogen temperature, evacuated, and sealed. Subse-  
quently, the ampoules were heated in thermostats for 30 minutes at reaction

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UDC: 541.128

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ACC NR: AP6018073

temperature and cooled to room temperature whereupon the contents were analyzed. In the presence of activated carbon, the rate of destructive chlorination was found to be greater than in the absence of activated carbon. The lower the nitrobenzene to chlorine ratio, the greater was the rate of destructive chlorination. The reactivity of various chloronitrobenzenes was found to decrease in order ortho>para>meta. Orig. art. has: 7 figures.

SUB CODE: 07/ SUBM DATE: 13May65/ ORIG REF: 006/ OTH REF: 007

Card 2/2 *HS*

30518  
S/194/61/000/008/077/092  
D201/U304

24,2200 (1144,1147,1482)

AUTHORS: Kupriyanov, I.K. and Mirovitskiy, D.I.

TITLE: A magnetic analogue of the Southworth magnetic film

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 8, 1961, 53, abstract 8 I341 (V sb. Ferrity.  
Fiz. i fiz.-khim. svoystva, Minsk, AN BSSR, 1960,  
451-457)

TEXT: It is shown that it is physically possible to realize a magnetic analogue of the dielectric Southworth film. This possibility results from the symmetry of Maxwell's equations with respect to  $\mu$  and  $\epsilon'$ . The proposed magnetic film has several advantages over the Southworth film. The pass-band properties of the Southworth film are not great ( $\pm 10\%$ ); that of the magnetic film is determined solely by the region where the conditions  $\mu_2 = a\lambda$ ,  $\tan \delta\mu \gg 1$  ( $a$  - a constant,  $\lambda$  - length of wave,  $\mu_2$  - the imaginary term of complex  $\mu$ ) are satisfied. This is so because the

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A magnetic analogue...

maximum of the magnetic field of the standing wave is very well defined for the whole of the frequency range and corresponds to the short circuiting plane. 2 references. [Abstracter's note: Complete translation]

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Card 2/2



UDAL'NIKOV, A.N., glavnyy red.; KUPRIYANOV, I.P., red.

[Hoisting and conveying machinery; collection of abstracts] Podredaktsiya i transportnye mekhanizmy; sbornik annotatsii. Tema 28. Moskva, 1957. 100 p. (MIRA 11:10)

1. Moscow. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii. Filial,

(Hoisting machinery) (Conveying machinery)

KALMYKOVA, Z.M.; KUPRIYANOV, I.P.

Coots at the Zoological Garden. Sbor. st. Mosk. zoop. no.2:43-47  
'58. (MIRA 11:12)

(Coots)

KUPRIYANOV, Il'ya Petrovich; SOROKINA, G.Ye., tekhn.red.; GORDMEYEVA,  
L.P., tekhn.red.

[Automation and mechanization of assembly work in the automobile  
industry abroad] Avtomatizatsiya i mekhanizatsiya sberozhnykh  
rabot v zarubezhnom avtomobilestroenii. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1960. 109 p.

(MIRA 14:4)

(Automobile industry--Technological innovations)  
(Automation)

KUPRIYANOV, K.N.

KUPRIYANOV, K.N. [deceased], doktor tekhnicheskikh nauk.

The use of ground treated with black binders for the protection  
of tank floors from subsurface corrosion. Trudy VNIISTROINEFT'  
no.8:81-96 '56. (MLRA 9:11)  
(Petroleum--Storage) (Corrosion and anticorrosives)